

Docket No.: 50002/40625  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Scott David Keniston, et al.

Application No.: 10/597,139

Confirmation No.: 6558

Filed: July 12, 2006

Art Unit: To be assigned

For: Automated Drill String Position Survey

Examiner: To be assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P O Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the foreign and non-patent references on the PTO/SB/08 are provided. An English-language abstract for German Patent No. 19846137 is also enclosed.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: 10/597,139

Docket No.: 50002/43962

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No 50-3629, under order No. 50002/43962.

Dated: September 20, 2006

Respectfully submitted,

By 

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PTO/SB/08a/b (08-03)

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| Substitute for form 1449A/B/PTO  |   |    |   | <b>Complete if Known</b> |                                    |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Use as many sheets as necessary)</i> |   |    |   | Application Number       | 10/597,139                         |
|  |   |    |   | Filing Date              | July 12, 2006                      |
|  |   |    |   | First Named Inventor     | Scott David Keniston               |
|  |   |    |   | Art Unit                 | Not Yet Assigned                   |
|  |   |    |   | Examiner Name            | Not Yet Assigned Cathleen Hutchins |
| Sheet  | 1 | of | 1 | Attorney Docket Number   | 50002/40625                        |

| U.S. PATENT DOCUMENTS |                       |   |                                |  |   |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | 5,680,906   | 10-28-1997                     | Andrieux, et al.                                   |   |
|                       |                       | 5,230,387   | 07-27-1993                     | Waters et al.                                      |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                  |
|--------------------------|-----------------------|--|--------------------------------|--|---|------------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup>   |
| /C.H./                   |                       | UK 2 070 105 A   | 09/03/1981                     | Shell Internationale<br>Research                   |   |                  |
| /C.H./                   |                       | DE 198 46 137 A1   | 07/10/1998                     | Keller Grundbau GmbH                               |   | Abstract<br>only |

\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine journal, serial symposium catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published. | T <sup>2</sup> |
| /C.H./                          |                       | International Search Report for parent PCT application No. PCT/AU2005/000076, dated February 24, 2005, 2 pages.   |                |

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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|--------------------|---------------------|-----------------|------------|
| Examiner Signature | /Cathleen Hutchins/ | Date Considered | 03/14/2008 |
|--------------------|---------------------|-----------------|------------|